

# DFN-044

## SEQUENCE LISTING

<110> Dana-Farber Cancer Institute, Inc. et al.

<120> NOVEL COMPOSITIONS AND METHODS FOR THE  
GENERATION OF MHC CLASS II COMPOUNDS BY  
PEPTIDE EXCHANGE

<130> DFN-044

<150> 60/395494

<151> 2002-07-12

<150> 60/397893

<151> 2002-07-22

<160> 36

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 15

<212> PRT

<213> Homo sapiens

<400> 1

Pro	Val	Ser	Lys	Met	Arg	Met	Ala	Thr	Pro	Leu	Leu	Met	Gln	Ala
1				5					10				15	

<210> 2

<211> 12

<212> PRT

<213> Homo sapiens

<400> 2

Ala	Ala	Met	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Met	Ala
1			5						10		

<210> 3

<211> 13

<212> PRT

<213> Homo sapiens

<400> 3

Ala	Ala	Met	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala
1			5						10			

<210> 4

<211> 13

<212> PRT

<213> Homo sapiens

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<400> 4

Ala Ala Phe Ala Ala Ala Ala Ala Ala Ala Ala Ala  
1 5 10

<210> 5

<211> 13

<212> PRT

<213> Homo sapiens

<400> 5

Ala Ser Met Ser Ala Ala Ser Ala Ala Ser Met Ala Ala  
1 5 10

<210> 6

<211> 15

<212> PRT

<213> Homo sapiens

<400> 6

Gly Leu Asn Asp Ile Phe Glu Ala Gln Lys Ile Glu Trp His Glu  
1 5 10 15

<210> 7

<211> 6

<212> PRT

<213> Homo sapiens

<400> 7

Gly Gly Ser Gly Gly Ser  
1 5

<210> 8

<211> 19

<212> PRT

<213> Homo sapiens

<400> 8

Cys Gly Gly Gly Pro Val Ser Lys Met Arg Met Ala Thr Pro Leu Leu  
1 5 10 15  
Met Gln Ala

<210> 9

<211> 17

<212> PRT

<213> Homo sapiens

<400> 9

Cys Gly Gly Gly Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala  
1 5 10 15  
Thr

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<210> 10  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 10  
Tyr Lys Arg Trp Ile Ile Leu Gly Leu Asn Lys Ile Val  
1 5 10

<210> 11  
<211> 13  
<212> PRT  
<213> Homo sapiens

<400> 11  
Leu Asn Lys Ile Val Arg Met Tyr Ser Pro Thr Ser Ile  
1 5 10

<210> 12  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 12  
Ser Pro Glu Val Ile Pro Met Phe Ser Ala Leu Ser Glu Gly  
1 5 10

<210> 13  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 13  
Asp Arg Phe Tyr Lys Thr Leu Arg Ala Glu Gln Ala Ser Gln  
1 5 10

<210> 14  
<211> 15  
<212> PRT  
<213> Homo sapiens

<400> 14  
Glu Gln Ile Gly Trp Met Thr Asn Asn Pro Pro Ile Pro Val Gly  
1 5 10 15

<210> 15  
<211> 13  
<212> PRT  
<213> Homo sapiens

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<400> 15

Pro Lys Tyr Val Lys Gln Asn Thr Leu Lys Leu Ala Thr  
1 5 10

<210> 16

<211> 16

<212> PRT

<213> Homo sapiens

<400> 16

Trp Asn Arg Gln Leu Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp  
1 5 10 15

<210> 17

<211> 16

<212> PRT

<213> Homo sapiens

<400> 17

Asp Val Pro Lys Trp Ile Ser Ile Met Thr Glu Arg Ser Val Pro His  
1 5 10 15

<210> 18

<211> 15

<212> PRT

<213> Homo sapiens

<400> 18

Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro  
1 5 10 15

<210> 19

<211> 15

<212> PRT

<213> Homo sapiens

<400> 19

Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala Thr Leu  
1 5 10 15

<210> 20

<211> 19

<212> PRT

<213> Homo sapiens

<400> 20

Ser Gly Glu Asn Leu Pro Tyr Leu Val Ala Tyr Gln Ala Thr Val Cys  
1 5 10 15  
Ala Arg Ala

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<210> 21  
 <211> 21  
 <212> PRT  
 <213> Homo sapiens

<400> 21  
 Ser Gly Ile Gln Tyr Leu Ala Gly Leu Ser Thr Leu Pro Gly Asn Pro  
 1 5 10 15  
 Ala Ile Ala Ser Leu  
 20

<210> 22  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 22  
 Val Ser Ser Val Ser Ser Gln Phe Ser Asp Ala Ala Gln Ala Ser Pro  
 1 5 10 15  
 Ser

<210> 23  
 <211> 18  
 <212> PRT  
 <213> Homo sapiens

<400> 23  
 Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln Lys  
 1 5 10 15  
 Arg Gly

<210> 24  
 <211> 14  
 <212> PRT  
 <213> Homo sapiens

<400> 24  
 Leu Ile Ala Phe Thr Ser Glu His Ser His Phe Ser Leu Lys  
 1 5 10

<210> 25  
 <211> 17  
 <212> PRT  
 <213> Homo sapiens

<400> 25  
 Val Asn Phe Phe Arg Met Val Ile Ser Asn Pro Ala Ala Thr His Gln  
 1 5 10 15  
 Asp

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<210> 26

<211> 15

<212> PRT

<213> Homo sapiens

<400> 26

Glu Asn Pro Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg  
1 5 10 15

<210> 27

<211> 15

<212> PRT

<213> Homo sapiens

<400> 27

Val Val His Phe Phe Lys Asn Ile Val Thr Pro Arg Thr Pro Pro  
1 5 10 15

<210> 28

<211> 20

<212> PRT

<213> Homo sapiens

<400> 28

Leu Tyr Gly Ala Leu Leu Leu Ala Glu Gly Phe Tyr Thr Thr Gly Ala  
1 5 10 15  
Val Arg Gln Ile  
20

<210> 29

<211> 20

<212> PRT

<213> Homo sapiens

<400> 29

Phe Tyr Thr Thr Gly Ala Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr  
1 5 10 15  
Thr Ile Cys Gly  
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<210> 30

<211> 23

<212> PRT

<213> Homo sapiens

<400> 30

Ala Val Arg Gln Ile Phe Gly Asp Tyr Lys Thr Thr Ile Cys Gly Lys  
1 5 10 15  
Gly Leu Ser Ala Thr Val Thr  
20

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<210> 31  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 31  
 Ala Val Pro Val Tyr Ile Tyr Phe Asn Thr Trp Thr Thr Cys Gln Ser  
 1 5 10 15  
 Ile Ala Phe Pro  
 20

<210> 32  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 32  
 Ile Ala Ala Thr Tyr Asn Phe Ala Val Leu Lys Leu Met Gly Arg Gly  
 1 5 10 15  
 Thr Lys Phe

<210> 33  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 33  
 Gln Phe Arg Val Ile Gly Pro Arg His Pro Ile Arg Ala Leu Val Gly  
 1 5 10 15  
 Asp Glu Val

<210> 34  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 34  
 Gly Lys Asn Ala Thr Gly Met Glu Val Gly Trp Tyr Arg Pro Pro Phe  
 1 5 10 15  
 Ser Arg Val Val  
 20

<210> 35  
 <211> 20  
 <212> PRT  
 <213> Homo sapiens

<400> 35  
 Trp Tyr Arg Pro Pro Phe Ser Arg Val Val His Leu Tyr Arg Asn Gly  
 1 5 10 15  
 Lys Asp Gln Asp

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20

<210> 36  
<211> 13  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Peptide

<221> VARIANT  
<222> 3, 11  
<223> Xaa = Any Amino Acid

<400> 36  
Ala Ala Xaa Ala Ala Ala Ala Ala Ala Ala Xaa Ala Ala  
1 5 10